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SEQUENCE LISTING

<110> Ono, Toshiro
5 Nakayama, Eiichi
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Lys Ala Arg Tyr Thr Val Arg Ser Phe Gly Ile Arg Arg Asn Glu Lys
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Ile Ala Val His Cys Thr Val Arg Gly Ala Lys Ala Glu Glu Ile Leu
65 70 75 80
50 Glu Lys Gly Leu Lys Val Arg Glu Tyr Glu Leu Arg Lys Asn Asn Phe
85 90 95
Ser Asp Thr Gly Asn Phe Gly Phe Gly Ile Gln Glu His Ile Asp Leu
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55 Gly Ile Lys Tyr Asp Pro Ser Ile Gly Ile Tyr Gly Leu Asp Phe Tyr
115 120 125
Val Val Leu Gly Arg Pro Gly Phe Ser Ile Ala Asp Lys Lys Arg Arg
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Thr Gly Cys Ile Gly Ala Lys His Arg Ile Ser Lys Glu Glu Ala Met
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<400> 3

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Ser Thr His Gly Lys Phe Asn Gly Thr Val Lys Ala Glu Asn Gly Lys
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Leu Val Ile Asn Gly Lys Pro Ile Thr Ile Phe Gln Glu Arg Asp Pro
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40 Asp Pro Phe Ile Asp Leu Asn Tyr Met Val Tyr Met Phe Gln Tyr Asp
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Ser Thr His Gly Lys Phe Asn Gly Thr Val Lys Ala Glu Asn Gly Lys
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45 Thr Asn Ile Lys Trp Gly Glu Ala Gly Ala Glu Tyr Val Val Glu Ser
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Thr Gly Val Phe Thr Thr Met Glu Lys Ala Gly Ala His Leu Lys Gly
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50 Phe Val Met Gly Val Asn His Glu Lys Tyr Asp Asn Ser Leu Lys Ile
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145 150 155 160
55 Val Ile His Asp Asn Phe Gly Ile Val Glu Gly Leu Met Thr Thr Val
165 170 175
His Ala Ile Thr Ala Thr Gln Lys Thr Val Asp Gly Pro Ser Gly Lys
180 185 190
Leu Trp Arg Asp Gly Arg Gly Ala Ala Gln Asn Ile Ile Pro Ala Ser
195 200 205
60 Thr Gly Ala Ala Lys Ala Val Gly Lys Val Ile Pro Glu Leu Asn Gly
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Lys Leu Thr Gly Met Ala Phe Arg Val Pro Thr Pro Asn Val Ser Val
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Gly Tyr Thr Glu Asp Gln Val Val Ser Cys Asp Phe Asn Ser Asn Ser
275 280 285
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55 <213> Mus musculus

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Arg Gly Phe Ala Gly Gly Val Gln Thr Val Thr Leu Ile Pro Gly Asp

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	Gly Pro Gly Gly Lys Trp Met Ile Pro Pro Glu Ala Lys Glu Ser Met		80
	85	90	95
	Asp Lys Asn Lys Met Gly Leu Lys Gly Pro Leu Lys Thr Pro Ile Ala		
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	Tyr Ser Gly Ile Glu His Val Ile Val Asp Gly Val Val Gln Ser Ile		160
	165	170	175
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20	Ser Thr Leu Gly Thr Thr Gly Thr Thr Ser Xaa Leu Cys Thr Lys		
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30 <213> Mus musculus

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50 <213> Mus musculus

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Gly Asp Lys Asp Ser Gly Thr Arg Ala Gly Gly Val Glu Gln Glu Gln
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5 Asn Glu Pro Val Ala Glu Gly Thr Glu Ser Gln Glu Asn Gly Asn Pro
100 105 110
Gly Gly Arg Gln Met Pro Leu Gln Gly Ser Arg Phe Ala Gln His Arg
115 120 125
Leu Arg Glu Leu Glu Ser Ile Leu Gln Arg Thr Asn Ser Phe Asp Val
130 135 140
Pro Arg Glu Asp Leu Asp Arg Leu Met Asp Ala Cys Val Ser Arg Val
145 150 155 160
Gln Asn Trp Phe Lys Ile Arg Arg Ala Ala Ala Arg Arg Asp Arg Arg
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Arg Phe
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25 <213> Mus musculus

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50 55 60
Gly Thr Ile Asn Asp Ile Ser Val Leu Arg Val Thr Arg Arg Gly Ala
65 70 75 80
60 Gln Ala Asp His Phe Thr Glu Ser Pro Leu Ser Pro Gly Ser Gln Val
85 90 95
Gln Val Arg Val Asp Trp Glu Arg Arg Phe Asp His Met Gln Gln His

100 105 110
Ser Gly Gln His Leu Ile Thr Ala Val Ala Asp Leu Leu Phe Gly Leu
115 120 125
Lys Thr Thr Ser Trp Glu Leu Gly Arg Leu Arg Ser Val Ile Glu Leu
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35 40 45
55 Leu Leu Gly Leu Thr Gln Lys Leu Gly Pro Ile Tyr Arg Ile Arg Leu
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65 70 75 80
Ala Leu Ile Gln Lys Trp Val Asp Phe Ala Gly Arg Pro His Met Leu
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60 Asn Gly Lys Met Asp Leu Asp Leu Ser Leu Gly Asp Tyr Ser Leu Met
100 105 110

Trp Lys Ala His Lys Lys Leu Ser Arg Ser Ala Leu Met Leu Gly Met
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130 135 140
5 Glu Arg Met Arg Ala Gln Ala Gly Thr Pro Val Ala Ile His Lys Glu
145 150 155 160
Phe Ser Phe Leu Thr Cys Ser Ile Ile Ser Cys Leu Thr Phe Gly Asp
165 170 175
Lys Asp Ser Thr Leu Val Gln Thr Leu His Asp Cys Val Gln Asp Leu
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225 230 235 240
Asp Ser Leu Val Ala Gly Gln Trp Lys Asp Met Ile Asp Tyr Met Leu
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Glu Thr Thr Ala Thr Thr Leu Ser Trp Ala Val Ala Phe Leu Leu His
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Asp Ile Pro Lys Asp Met Val Ile Ile Pro Asn Ile Gln Gly Ala Asn
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35 Leu Asp Glu Met Val Trp Glu Leu Pro Ser Lys Phe Trp Pro Asp Arg
385 390 395 400
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405 410 415
Ala Arg Val Cys Leu Gly Glu Pro Leu Ala Arg Leu Glu Leu Phe Val
40 420 425 430
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<212> PRT
15 <213> Mus musculus

<400> 14

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35 40 45

Val Asp Gly Lys Leu Val Lys Ala Ser Phe Ala Pro Ile Ser Phe Ala
50 55 60

Ile Lys Ala Met Lys Glu Gly Arg Tyr Thr Val Leu Ala Glu Ser Lys
65 70 75 80

Asn Glu Glu Lys Lys Ser Gly Pro Thr Ser Asp Asn Glu Glu
85 90 95

30 Asp Asp Glu Asp Gly Ser Tyr Leu His Pro Ser Leu Phe Ala Ser
100 105 110

Lys Lys Ser Ser Arg Leu Glu Glu Leu Met Lys Pro Leu Lys Val Val
115 120 125

Asp Pro Asp His Pro Leu Ala Ala Leu Cys Pro Glu Ser Thr Lys Leu
130 135 140

35 Thr Ala His Ser Gln Pro His Pro Asn Leu Gln Glu Trp Gly Pro Arg
145 150 155 160

Thr Ile Lys Asp Leu Ile Ser Phe Ser Pro Gly Thr Gln Tyr Asn Ala
165 170 175

40 Tyr Tyr Glu Phe
180

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<211> 612
45 <212> DNA
<213> Mus musculus

<400> 15

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gaatccggag gagaccggg gctctgcgtt ccgccttggc gctcgcgcag gtgcctggaa 180
cagtcacaca ttgtgcccgt cagtacagt acgcacccccc actgacgtt gaggaatcaa 240
ggaccggagtt ctgtatgtct tgaaaactcta tgataagatt gatccagaaa agctctccgt 300
55 aaatttctcat ttatgaagg acctgggctt agacagttt gaccaagtgg aaatttattat 360
ggccatggaa gacgaatttg ggtttgaaat tcctgatata gatgcagaga agttaatgtg 420
tccacaagaa attgttagatt acattgcaga taagaaggat gtgtatgaat aaagtatcag 480
agccttcttc ctcactgtga ggactccaga ggacacacga tggcatcggt gcccactgac 540
agcggctctg ttcaacttgtt atttaaattt gtcgtgtt ttacccgtt aaaataaaatc 600
60 tattacaaaa ct 612

<210> 16
<211> 86

<212> PRT
<213> Mus musculus

<400> 16

5 Arg Thr Pro Thr Asp Val Arg Gly Ile Lys Asp Arg Val Leu Tyr Val
1 5 10 15
Leu Lys Leu Tyr Asp Lys Ile Asp Pro Glu Lys Leu Ser Val Asn Ser
20 25 30
His Phe Met Lys Asp Leu Gly Leu Asp Ser Leu Asp Gln Val Glu Ile
10 35 40 45
Ile Met Ala Met Glu Asp Glu Phe Gly Phe Glu Ile Pro Asp Ile Asp
50 55 60
Ala Glu Lys Leu Met Cys Pro Gln Glu Ile Val Asp Tyr Ile Ala Asp
65 70 75 80
15 Lys Lys Asp Val Tyr Glu
85

<210> 17

<211> 1036

20 <212> DNA
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<400> 17

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gatgcgaagg aagagtgtgg caaggtagaa tcacccctcg cagcggagggtg ctggctcgc 180
agagctgagc ttcgaagca gaatggctcc tcggcctctc agatttcttc tgctgaaggc 240
agggcagctg caaaaaggtaa caacagcttg gagagggaga ggcagaattt accaggagcc 300
cttggttctaa acttacaatg aaaccagtca gtcaatttga ctaaagggtgt tgattccttg 360
30 tgattatttc catgtqaaaa tggttgtgtt caatgacatt taaaaaaaaat catcctctcg 420
ttttagaaggta agaaagggggg gaaagggaaac tttctaaatg ctgcttgaga ttgcagtaag 480
aacatacatt ttctaacctg aaagttgaaa caaatcccac ttgttctgtt gactgtgtct 540
ctcttacctg ttgtgtcag ggttaccta tctgctaaac tatgtcggga aagaaaaaat 600
tacttttgtt tgcattgtcat gggtaatgg tccctgtat ttggcagtgg gtgtaaaagc 660
35 ttattaaagt tcttcttttgc ttgtaccca gaacaatggc atcatttggat ttttgcgtctg 720
aaatcggtat accaggttaac tccaaattgtt tcccttgat ttgcaacaaa agtattgtgt 780
ttcagtttc tcacctgttag aaaactagtt ttcactagaa atgctcatca gaacacccaaa 840
aaaaaaaaacca tctttaatag gaataagggtg tataattgtt tggtttacag aaatgggtga 900
40 ctaaagagag agaaacaaag cgtggaaat taaaaaaaaa aacccacaga gaaacaatgg 960
taaaaaatgtt atccaaagag tacgggtgag caagtacaaa tcaccttgc gaaaacagaa 1020
actgtcagaa tgggtg 1036

<210> 18

<211> 106

45 <212> PRT
<213> Mus musculus

<400> 18

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Gly Lys Ala Gly Lys Phe Lys Asp Asp Pro Glu Lys Gly Ala Arg Ser
20 25 30
Ser Arg Phe Thr Ser Val Asn His Asp Ala Lys Glu Glu Cys Gly Lys
35 40 45
55 Val Glu Ser Pro Pro Ala Ala Arg Cys Ser Ala Arg Arg Ala Glu Leu
50 55 60
Ser Lys Gln Asn Gly Ser Ser Ala Ser Gln Ile Ser Ser Ala Glu Gly
65 70 75 80
60 Arg Ala Ala Ala Lys Gly Asn Asn Ser Leu Glu Arg Glu Arg Gln Asn
85 90 95
Leu Pro Gly Ala Leu Val Leu Asn Leu Gln
100 105

5 <210> 19
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 <212> DNA
 <213> Mus musculus

10 <400> 19
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 ggaagcagta aaaaagctcc agaatgccac caagctccgt cagaagaaca acctgaacct 120
 ccttagagac ctggctgtgc acactgccc cagcctcagg agcagccccag cctgggggtgg 180
 tgggtcaca ctacacagga aagagggtga ttctgaattc atgaatatca ttgctaattga 240
 gattggatcg gaggagacc tcctgttctt aactgtgggg gatgagaagg gtgctgggct 300
 cttcttactg gcaggccccgg cagaggctgt gaaaccctg gggcccagg tggctgaagt 360
 ctggaaaggc aaaggagcag ggaagaagggg ccgttccag gcaaagcca ccaagatgag 420
 ccgcgggca gagggcgcagg cgcttcgtca ggactatgtc agcacacaga gtgctgagga 480
 gtgaggggcc aggactcgtc ctgtgaccaa cagttaaaat attgtgactc 530

20 <210> 20
 <211> 160
 <212> PRT
 <213> Mus musculus

25 <400> 20
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 Glu Asp His Val Glu Ala Val Lys Lys Leu Gln Asn Ala Thr Lys Leu
 20 25 30
 Leu Gln Lys Asn Asn Leu Asn Leu Leu Arg Asp Leu Ala Val His Thr
 35 40 45
 30 Ala His Ser Leu Arg Ser Ser Pro Ala Trp Gly Gly Val Val Thr Leu
 50 55 60
 His Arg Lys Glu Gly Asp Ser Glu Phe Met Asn Ile Ile Ala Asn Glu
 65 70 75 80
 Ile Gly Ser Glu Glu Thr Leu Leu Phe Leu Thr Val Gly Asp Glu Lys
 85 90 95
 Gly Ala Gly Leu Phe Leu Leu Ala Gly Pro Ala Glu Ala Val Glu Thr
 100 105 110
 Leu Gly Pro Arg Val Ala Glu Val Leu Glu Gly Lys Gly Ala Gly Lys
 115 120 125
 40 Lys Gly Arg Phe Gln Gly Lys Ala Thr Lys Met Ser Arg Arg Ala Glu
 130 135 140
 Ala Gln Ala Leu Leu Gln Asp Tyr Val Ser Thr Gln Ser Ala Glu Glu
 145 150 155 160

45 <210> 21
 <211>
 <212> DNA
 <213> Mus musculus

50 <400> 21
 gtggacaaga ggaagcacaa 20

55 <210> 22
 <211>
 <212> DNA
 <213> Mus musculus

60 <400> 22
 tgaaaagtaa gggctgtcat 20

65 <210> 23

<211> 1895
<212> DNA
<213> *Homo sapiens*

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15	cca gcc gct ggc ttc ctt ccc tca ctc ctg aag gtg ctg ctc ctg cct Pro Ala Ala Gly Phe Leu Pro Ser Leu Leu Lys Val Leu Leu Leu Pro 5 10 15	105
20	ctg gca cct gcc gca cag gat tcg act cag gcc ccc act cca ggc Leu Ala Pro Ala Ala Gln Asp Ser Thr Gln Ala Pro Thr Pro Gly 20 25 30 35	153
25	agc cct ctc tct cct acc gaa tac gaa cgc ttc ttc gca ctg ctg act Ser Pro Leu Ser Pro Thr Glu Tyr Glu Arg Phe Phe Ala Leu Leu Thr 40 45 50	201
30	cca acc tgg aag gca gag act acc tgc cgt ctc cgt gca acc cac ggc Pro Thr Trp Lys Ala Glu Thr Cys Arg Leu Arg Ala Thr His Gly 55 60 65	249
35	tgc cgg aat ccc aca ctc gtc cag ctg gac caa tat gaa aac cac ggc Cys Arg Asn Pro Thr Leu Val Gln Leu Asp Gln Tyr Glu Asn His Gly 70 75 80	297
40	tta gtg ccc gat ggt gct gtc tgc tcc aac ctc cct tat gcc tcc tgg Leu Val Pro Asp Gly Ala Val Cys Ser Asn Leu Pro Tyr Ala Ser Trp 85 90 95	345
45	ttt gag tct ttc tgc cag ttc act cac tac cgt tgc tcc aac cac gtc Phe Glu Ser Phe Cys Gln Phe Thr His Tyr Arg Cys Ser Asn His Val 100 105 110 115	393
50	tac tat gcc aag aga gtc ctg tgt tcc cag cca gtc tct att ctc tca Tyr Tyr Ala Lys Arg Val Leu Cys Ser Gln Pro Val Ser Ile Leu Ser 120 125 130	441
55	cct aac act ctc aag gag ata gaa gct tca gct gaa gtc tca ccc acc Pro Asn Thr Leu Lys Glu Ile Glu Ala Ser Ala Glu Val Ser Pro Thr 135 140 145	489
60	acg atg acc tcc ccc atc tca ccc cac ttc aca gtg aca gaa cgc cag Thr Met Thr Ser Pro Ile Ser Pro His Phe Thr Val Thr Glu Arg Gln 150 155 160	537
65	acc ttc cag ccc tgg cct gag agg ctc agc aac aac gtg gaa gag ctc Thr Phe Gln Pro Trp Pro Glu Arg Leu Ser Asn Asn Val Glu Glu Leu 165 170 175	585
70	cta caa tcc tcc ttg tcc ctg gga ggc cag gag caa gcg cca gag cac Leu Gln Ser Ser Leu Ser Leu Gly Gly Gln Glu Gln Ala Pro Glu His 180 185 190 195	633
75	aag cag gag caa gga gtg gag cac agg cag gag ccg aca caa gaa cac	681

Lys Gln Glu Gln Gly Val Glu His Arg Gln Glu Pro Thr Gln Glu His
200 205 210

5 aag cag gaa gag ggg cag aaa cag gaa gag caa gaa gag gaa cag gaa 729
Lys Gln Glu Glu Gly Gln Lys Gln Glu Glu Gln Glu Glu Gln Glu
215 220 225

gag gag gga aag cag gaa gaa gga cag ggg act aag gag gga cgg gag 777
Glu Glu Gly Lys Gln Glu Glu Gly Gln Gly Thr Lys Glu Gly Arg Glu
230 235 240

10 gct gtg tct cag ctg cag aca gac tca gag ccc aag ttt cac tct gaa 825
Ala Val Ser Gln Leu Gln Thr Asp Ser Glu Pro Lys Phe His Ser Glu
245 250 255

15 tct cta tct tct aac cct tcc tct ttt gct ccc cgg gta cga gaa gta 873
Ser Leu Ser Ser Asn Pro Ser Phe Ala Pro Arg Val Arg Glu Val
260 265 270 275

20 gag tct act cct atg ata atg gag aac atc cag gag ctc att cga tca 921
Glu Ser Thr Pro Met Ile Met Glu Asn Ile Gln Glu Leu Ile Arg Ser
280 285 290

25 gcc cag gaa ata gat gaa atg aat gaa ata tat gat gag aac tcc tac 969
Ala Gln Glu Ile Asp Glu Met Asn Glu Ile Tyr Asp Glu Asn Ser Tyr
295 300 305

30 tgg aga aaccaa aac cct ggc agc ttc ctg cag ctg ccc cac aca gag 1017
Trp Arg Asn Gln Asn Pro Gly Ser Phe Leu Gln Leu Pro His Thr Glu
310 315 320

35 gcc ttg ctg gtg ctg tgc tat tcg atc gtg gag aat acc tgc atc ata 1065
Ala Leu Leu Val Leu Cys Tyr Ser Ile Val Glu Asn Thr Cys Ile Ile
325 330 335

40 acc ccc aca gcc aag gcc tgg aag tac atg gag gag gag atc ctt ggt 1113
Thr Pro Thr Ala Lys Ala Trp Lys Tyr Met Glu Glu Glu Ile Leu Gly
340 345 350 355

45 ttc ggg aag tcg gtc tgt gac agc ctt ggg cgg cga cac atg tct acc 1161
Phe Gly Lys Ser Val Cys Asp Ser Leu Gly Arg Arg His Met Ser Thr
360 365 370

50 tgt gcc ctc tgt gac ttc tgc tcc ttg aag ctg gag cag tgc cac tca 1209
Cys Ala Leu Cys Asp Phe Cys Ser Leu Lys Leu Glu Gln Cys His Ser
375 380 385

55 gag gcc agc ctg cag cgg caa caa tgc gac acc tcc cac aag act ccc 1257
Glu Ala Ser Leu Gln Arg Gln Gln Cys Asp Thr Ser His Lys Thr Pro
390 395 400

60 ttt gtc agc ccc ttg ctt gcc tcc cag agc ctg tcc atc ggc aac cag 1305
Phe Val Ser Pro Leu Leu Ala Ser Gln Ser Leu Ser Ile Gly Asn Gln
405 410 415

55 gta ggg tcc cca gaa tca ggc cgc ttt tac ggg ctg gat ttg tac ggt 1353
Val Gly Ser Pro Glu Ser Gly Arg Phe Tyr Gly Leu Asp Leu Tyr Gly
420 425 430 435

60 ggg ctc cac atg gac ttc tgg tgt gcc cgg ctt gcc acg aaa ggc tgt 1401
Gly Leu His Met Asp Phe Trp Cys Ala Arg Leu Ala Thr Lys Gly Cys
440 445 450

gaa gat gtc cga gtc tct ggg tgg ctc cag act gag ttc ctt agc ttc 1449
Glu Asp Val Arg Val Ser Gly Trp Leu Gln Thr Glu Phe Leu Ser Phe
455 460 465

5 cag gat ggg gat ttc cct acc aag att tgt gac aca gac tat atc cag 1497
Gln Asp Gly Asp Phe Pro Thr Lys Ile Cys Asp Thr Asp Tyr Ile Gln
470 475 480

10 tac cca aac tac tgt tcc ttc aaa agc cag cag tgt ctg atg aga aac 1545
Tyr Pro Asn Tyr Cys Ser Phe Lys Ser Gln Gln Cys Leu Met Arg Asn
485 490 495

15 cgc aat cgg aag gtg tcc cgc atg aga tgt ctg cag aat gag act tac 1593
Arg Asn Arg Lys Val Ser Arg Met Arg Cys Leu Gln Asn Glu Thr Tyr
500 505 510 515

20 agt gcg ctg agc cct ggc aaa agt gag gac gtt gtg ctt cga tgg agc 1641
Ser Ala Leu Ser Pro Gly Lys Ser Glu Asp Val Val Leu Arg Trp Ser
520 525 530

cag gag ttc agc acc ttg act cta ggc cag ttc gga tgagctggcg 1687
Gln Glu Phe Ser Thr Leu Thr Leu Gly Gln Phe Gly
535 540

25 tctattctgc ccacacccca gcccaacctg cccacgttct ctattgttt gagacccat 1747
tgcttcagg ctgcccccttc tgggtctgtt actcggcccc tactcacatt tccttgggtt 1807
ggagcaacag tcccagagag ggccacggtg ggagctgcgc ctccttaaa agatgacttt 1867
acataaaaatg ttgatcttca aaaaaaaaaa 1895

30 <210> 24
<211> 543
<212> PRT
<213> Homo sapiens

35 <400> 24
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20 25 30
40 Thr Pro Gly Ser Pro Leu Ser Pro Thr Glu Tyr Glu Arg Phe Phe Ala
35 40 45
Leu Leu Thr Pro Thr Trp Lys Ala Glu Thr Thr Cys Arg Leu Arg Ala
50 55 60
45 Thr His Gly Cys Arg Asn Pro Thr Leu Val Gln Leu Asp Gln Tyr Glu
65 70 75 80
Asn His Gly Leu Val Pro Asp Gly Ala Val Cys Ser Asn Leu Pro Tyr
85 90 95
50 Ala Ser Trp Phe Glu Ser Phe Cys Gln Phe Thr His Tyr Arg Cys Ser
100 105 110
Asn His Val Tyr Tyr Ala Lys Arg Val Leu Cys Ser Gln Pro Val Ser
115 120 125
Ile Leu Ser Pro Asn Thr Leu Lys Glu Ile Glu Ala Ser Ala Glu Val
130 135 140
55 Ser Pro Thr Thr Met Thr Ser Pro Ile Ser Pro His Phe Thr Val Thr
145 150 155 160
Glu Arg Gln Thr Phe Gln Pro Trp Pro Glu Arg Leu Ser Asn Asn Val
165 170 175
60 Glu Glu Leu Leu Gln Ser Ser Leu Ser Leu Gly Gly Gln Glu Gln Ala
180 185 190
Pro Glu His Lys Gln Glu Gln Gly Val Glu His Arg Gln Glu Pro Thr
195 200 205

Gln Glu His Lys Gln Glu Glu Gly Gln Lys Gln Glu Glu Gln Glu Glu
210 215 220
Glu Gln Glu Glu Glu Gly Lys Gln Glu Glu Gly Gln Gly Thr Lys Glu
225 230 235 240
5 Gly Arg Glu Ala Val Ser Gln Leu Gln Thr Asp Ser Glu Pro Lys Phe
245 250 255
His Ser Glu Ser Leu Ser Ser Asn Pro Ser Ser Phe Ala Pro Arg Val
260 265 270
Arg Glu Val Glu Ser Thr Pro Met Ile Met Glu Asn Ile Gln Glu Leu
10 275 280 285
Ile Arg Ser Ala Gln Glu Ile Asp Glu Met Asn Glu Ile Tyr Asp Glu
290 295 300
Asn Ser Tyr Trp Arg Asn Gln Asn Pro Gly Ser Phe Leu Gln Leu Pro
305 310 315 320
15 His Thr Glu Ala Leu Leu Val Leu Cys Tyr Ser Ile Val Glu Asn Thr
325 330 335
Cys Ile Ile Thr Pro Thr Ala Lys Ala Trp Lys Tyr Met Glu Glu Glu
340 345 350
Ile Leu Gly Phe Gly Lys Ser Val Cys Asp Ser Leu Gly Arg Arg His
20 355 360 365
Met Ser Thr Cys Ala Leu Cys Asp Phe Cys Ser Leu Lys Leu Glu Gln
370 375 380
Cys His Ser Glu Ala Ser Leu Gln Arg Gln Gln Cys Asp Thr Ser His
385 390 395 400
25 Lys Thr Pro Phe Val Ser Pro Leu Leu Ala Ser Gln Ser Leu Ser Ile
405 410 415
Gly Asn Gln Val Gly Ser Pro Glu Ser Gly Arg Phe Tyr Gly Leu Asp
420 425 430
Leu Tyr Gly Gly Leu His Met Asp Phe Trp Cys Ala Arg Leu Ala Thr
30 435 440 445
Lys Gly Cys Glu Asp Val Arg Val Ser Gly Trp Leu Gln Thr Glu Phe
450 455 460
Leu Ser Phe Gln Asp Gly Asp Phe Pro Thr Lys Ile Cys Asp Thr Asp
465 470 475 480
35 Tyr Ile Gln Tyr Pro Asn Tyr Cys Ser Phe Lys Ser Gln Gln Cys Leu
485 490 495
Met Arg Asn Arg Asn Arg Lys Val Ser Arg Met Arg Cys Leu Gln Asn
500 505 510
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40 Arg Trp Ser Gln Glu Phe Ser Thr Leu Thr Leu Gly Gln Phe Gly
530 535 540

45 <210> 25
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<213> Mus musculus

50 <400> 25
gtggacaaaga ggaaggcaca 20

55 <210> 26
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<212> DNA
<213> Homo sapiens

60 <400> 26
tctccccatc tcactccac 19

60 <210> 27
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